

Category	Description	Reference	Quantity	Part Number
Capacitor	0.1uF 50V Ceramic	C1-C18	18	
Capacitor	470uf 16V Electrolytic	C19	1	
Capacitor	1uF 16V Tantalum	C20	1	
Diode	1N4148 Small Signal Diode	D1	1	
Resistor	1kΩ 5% 1/4W Carbon Film	R1, R8, R9	3	
Resistor	10kΩ 5% 1/4W Carbon Film	R3-R7, R10-R14	10	
Resistor	100kΩ 5% 1/4W Carbon Film	R2	1	
Resistor	68Ω 5% 1/4W Carbon Film	R15	1	
IC	Oscillator 2.46MHz	U1	1	SG-531P2.4576MC
IC	74HC74 Dual D-Type Flip-Flop	U2	1	
IC	74HC377 8-bit Register with Clock Enable	U3	1	
IC	128kB 70ns Flash ROM, 32-pin 0.6" DIP	U4, U5, U9	3	SST39SF010A-70-4C-PHE
IC	74HC163 4-bit Binary Counter with Synchronous Clear	U6-U8	3	
IC	74HC173 4-bit Register with 3-State Outputs	U10, U13, U17, U18	4	
IC	74HC181 4-bit Arithmetic Logic Unit	U11	1	
IC	74HC32 Quad 2-Input OR Gate	U12	1	
IC	74HC244 Dual Quad Buffer with 3-State Outputs	U14	1	
IC	32kB Static RAM, 28-pin 0.3" DIP	U15	1	CY7C199CN-15PXC
IC	74HC125 Quad Buffer with 3-State Outputs	U16	1	
LED	5mm LED	LED1, LED2	2	
Misc.	5.5x2.1mm DC Power Jack	CON1	1	PJ-002A
Misc.	LCD Display Module	LCD1	1	NHD-0216K1Z-FL-YBW
Misc.	Piezoelectric Transducer	PZ1	1	PS1240P02BT
Misc.	10kΩ Trimmer Potentiometer	RV1	1	3306F-1-103
Misc.	Toggle Switch	SW1	1	200MSP1T1B1M2QEH
Misc.	12x12mm Tactile Pushbutton Switch	SW2-SW6	5	B3F-4050